

Attorney Docket No.: 5442.400-US

PATENT



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Outtrup et al.

Serial No.: 09/382,096

Group Art Unit: To Be Assigned

Filed: August 24, 1999

Examiner: To Be Assigned

For: Alkaline Bacillus Amylase

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97 and 1.98, Applicants submit references which they believe may be material to the patentability of this application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. 1.56.

While the references may be "material" under 37 C.F.R. 1.56, it is not intended to constitute an admission that the references are "prior art" unless specifically designated as such.

The filing of this Information Disclosure Statement shall not be construed as a representation that no other material references than those listed exist or that a search has been conducted.

The references are listed in PTO form 1449 which is in accordance with the requirements of M.P.E.P. 609. Copies of references were filed with USSN 09/249,558 filed February 12, 1999, February 17, 1999, and July 16, 1999, the benefit of which is claimed under 35 USC 120.

The references are as follows:

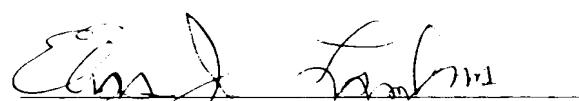
1. DE 2044513
2. Abstract, Dialog Accession No. 7114677, Biosis Accession No. 88037422
3. Medda et al., "New Strains of Bacillus Licheniformis and Bacillus Coagulans Producing Thermostable *a*-Amylase Active at Alkaline pH". Journal of Applied Bacteriology 1980, 48, pp. 47-58.

4. J.E. Baker, "Interaction of Partially-Purified Amylases From Larval Anagasta Kuehniella (Lepidoptera: Pyralidae) With Amylase Inhibitors From Wheat", Comp. Biochem. Physiol., Vol. 93B, No. 2, 1989, pp. 239-246.
5. Hayashi et al., "Properties of New Alkaline Maltohexaose-Forming Amylases", Appl. Microbiol Biotechnol (1988) 28: pp. 281-285.
6. Tigue et al., "Production Studies on The Alkaline Amylases of Three Alkalophilic Bacillus spp.", Biotechnology Letters, Vol. 16, No. 6 (June 1994) pp. 569-574.
7. Xinyu et al., "Studies on Alkaline Amylase From Alkalophilic Bacterium", Institute of Microbiology, Academia Sinica, Beijing) 31 (5): 1991, pp. 364-370.
8. US 5,147,796
9. WO 95/26397
10. WO 96/23873
11. Bae et al., Kor. J. Appl. Microbiol. Bioeng., Vol. 17, No. 2, pp. 160-164 (1989).
12. WO 97/00324
13. WO 98/05748
14. Chemical Abstract of Japan, Abstract No. J09206073
15. Journal of Fermentation and Bioengineering, Vol. 81, No. 6, 557-559 (1996).
16. Applied and Environmental Microbiology, Vol. 61, No. 8, pp. 3105-3112 (Aug. 1995).

It is respectfully requested that these references be considered by the Patent and Trademark Office in its examination of the above-identified application and be made of record therein. The Examiner is also invited to contact the Undersigned if there are any questions concerning this paper or the attached references.

Respectfully submitted,

Date: September 8, 1999



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**CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

I hereby certify that the attached correspondence comprising:

1. Information Disclosure Statement
2. PTO-1449 Form

are being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner of Patents and Trademarks  
Washington, DC 20231

on September 8, 1999.

Ann Quintero  
(name of person mailing paper)

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(signature of person mailing paper)